

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
2 June 2005 (02.06.2005)

PCT

(10) International Publication Number
WO 2005/049056 A2

(51) International Patent Classification⁷: **A61K 35/74**

(74) Agents: WILLIAMS, Aylsa et al.; D. Young & Co., 120
Holborn, London EC1N 2DY (GB).

(21) International Application Number:
PCT/GB2004/004783

(22) International Filing Date:
12 November 2004 (12.11.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0326620.2 14 November 2003 (14.11.2003) GB
0404102.6 24 February 2004 (24.02.2004) GB

(71) Applicant (for all designated States except US): UCL
BIOMEDICA PLC [GB/GB]; Brook House, 2-16 Tor-
rington Place, London WC1E 7HN (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): MCINTYRE,
Graham [GB/GB]; 19 Tiepigs Lane, West Wickham, Kent
BR4 9BT (GB). STANFORD, John, Lawson [GB/GB];
Mill House, Claygate, Marden, Near Tonbridge, Kent
TN12 9PE (GB). STANFORD, Cynthia, Ann [GB/GB];
Mill House, Claygate, Marden, Near Tonbridge, Kent
TN12 9PE (GB). BOTTASSO, Oscar, Adelmo [AR/AR];
Moreno 294, Coronel Bogado, Zip code 2103, Provincia
de Santa Fe (AR).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE,
SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished
upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: IMMUNE MODULATOR

(57) Abstract: Use of an immune modulator composition and/or pharmaceutical composition comprising a whole cell of a bac-
terium from the genera *Rhodococcus*, *Gordonia*, *Nocardia*, *Dietzia*, *Tsukamurella* and *Nocardioides*, for use in the manufacture of a
medicament for the treatment of an autoimmune disease or autoimmune disorder, including certain vascular disorders.

WO 2005/049056 A2